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Scotchlok®
BRAND

ELECTRICAL SPRING CONNECTORS

Exclusive live-spring action makes a permanent and vibration-proof splice . . . fast!

Your fingers are the tools*—just strip the wire, insert in the "Scotchlok" connector, and twist! Now you've got a splice that'll take anything.

The "Scotchlok" live spring expands as it's screwed on the wires—making a vibration-proof, constant-contracting force of more than 50,000 psi. "Scotchlok" stands up to thermal stresses, too. As temperatures contract or expand the conductors, "Scotchlok's" live spring maintains its steady, firm grip throughout the expansion and contraction of the conductor.

Four color coded sizes accommodate more than 500 wire combinations for fixtures, circuits and heavy duty systems ("Scotchlok" connectors take #6 to #18 AWG wire, solid or stranded).

The complete line of "Scotchlok" Connectors includes specific pressure connectors (UL) listed for each of copper to copper, copper to aluminum, and aluminum to aluminum. Specific listings are included on all packages.

*For "assembly line" type applications, contact your 3M salesman for free installation tool.

Rec'd 11/2/62

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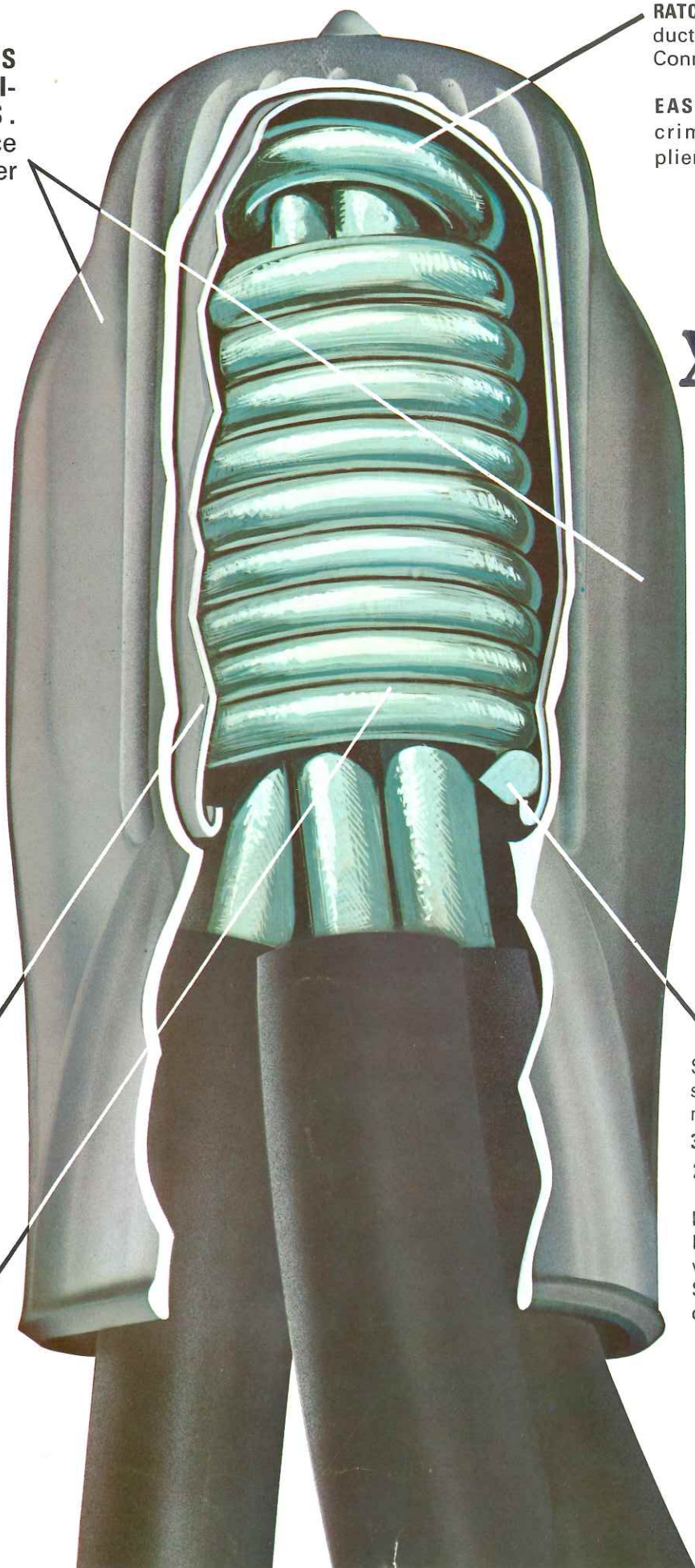
NEW

SCOTCHLOK TYPES R AND G HAVE POSITIVE GRIP FINS. Makes splicing twice as easy. Cuts finger fatigue.

TORQUE CONTROLLED RATCHET... Slips when conductors are fully inserted. Connector is locked on.

EASY TO REMOVE—just crimp at shoulder with pliers and turn.

X-26



STEEL SHELL HOUSING provides physical protection, prevents cut-through.

SIMPLE—Conductors can be twisted or untwisted. Just strip insulation, insert conductors (twisted or straight) and turn connector on.

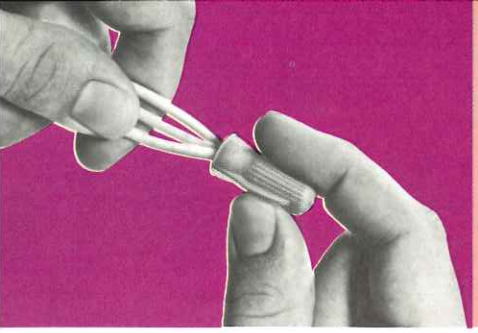
LIVE SPRING ACTION makes a permanent splice. Grips tight and flexes with conductors under thermal and mechanical stresses and vibrations.

Spring wire is teardrop shaped to accommodate more conductors.

30% EASIER INSTALLATION...

20% MORE HOLDING POWER.

FLEXIBLE VINYL INSULATION. Rated 105°C. Unbreakable, won't dry out, chip or crack. Skirt guards against flashover.

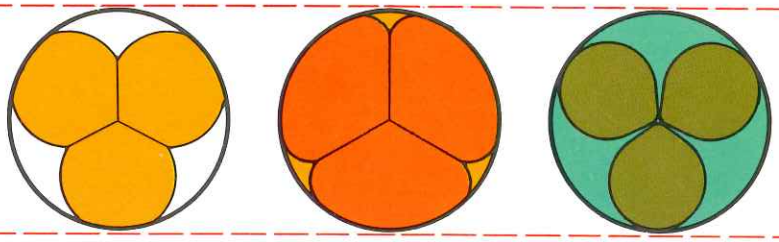


BE THE GUY WITH THE RIGHT CONNECTIONS!

Scotchlok® BRAND ELECTRICAL SPRING CONNECTORS

THIS IS WHAT "LIVE SPRING" ACTION MEANS!

ORDINARY CONNECTORS

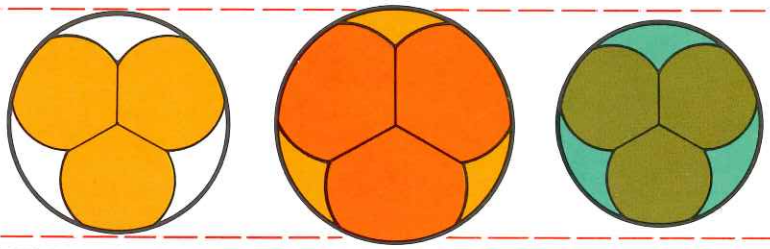


AS MADE, the connector body is rigid, non-yielding. Conductors are crushed to conform to connector dimensions.

UNDER HEAT, connector body is stretched and strained by the expanding conductors.

WHEN COLD, the cluster of conductors shrinks away from the now-stretched connector; connection pressure decreases and splice efficiency degenerates.

Scotchlok® BRAND CONNECTORS



AS MADE, the "live spring" action surrounds the conductors, assuming their shape.

UNDER HEAT, the "live spring" in the "Scotchlok" Connector gives with the conductor expansion; maintains its steady, firm grip.

WHEN COLD, the "live spring" in the "Scotchlok" Connector contracts with the shrinking conductors; keeps the splice pressure constant and maintains full splice efficiency!

"SCOTCHLOK" CONNECTOR AWG WIRE RANGES*:

	CU to CU	AL to AL	CU to AL
Y (Yellow)	#18 Thru #12	#14 Thru #10**	#18 Thru #10
R (Red)	#18 Thru #10	#16 Thru #10	#18 Thru #10
G (Gray)	#14 Thru #8	#14 Thru #8	#14 Thru #8
B (Blue)	#12 Thru #6	#12 Thru #6	#12 Thru #6

*For a complete listing of wire combinations, refer to the chart on each box of "SCOTCHLOKS".
**AL to AL range applies only to #14 AL grounding wire when part of a cable assembly.

Since the manufacturer of the product described in this technical data sheet has no means of controlling the final use of the product by the consumer or user, it is the responsibility of the immediate purchaser and any intermediate seller or sellers to inform the user of the purposes for which the product may be fit and suitable and of the properties of the product, including the precautionary measures which must be taken in order to insure the safety of the user and of other third persons and property.

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied:

Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller not manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith. No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

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